This Material Safety Data Sheet (MSDS) complies with the requirements of OSHA’s Hazard Communication Standard. If a MSDS in ANSI Z400.1 format, please call 888-838-0615 or visit the Airgas Web site at: www.airgas.com

**ANTI-SPATTER AEROSOL SPRAY**

Emergency Phone Number: 800-949-9737

Date: September 8, 2003

Product Information Number: 888-838-0615

**SECTION 1 – PRODUCT IDENTIFICATION**

Product Name/Class: Anti-Spatter Aerosol Spray; 1620A Anti-Spatter

Product Number: 004001

Manufacturer: Radnor Welding Products 259 N. Radnor-Chester Road Suite 100 Radnor, PA 19087-5283

**SECTION 2 – HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percent</th>
<th>TLV</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Methylene Chloride</em></td>
<td>75-09-2</td>
<td>73-84</td>
<td>50ppm</td>
<td>25ppm</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>17</td>
<td>5000ppm</td>
<td>5000ppm</td>
</tr>
</tbody>
</table>

**SECTION 3 – PHYSICAL CHARACTERISTICS**

- **Boiling Point:** 104°F
- **Specific Gravity (H2O=1):** 1.32
- **Freezing Point:** -97°C (-142°F)
- **Appearance and Odor:** Clear, colorless liquid with a chloroform-like odor.
- **Flash Point (Method Used):** 2.9
- **Flammable Limits:** LEL: N/A, UEL: N/A
- **Evaporation Rate (Butyl Acetate=1):** 14.5
- **Solubility in Water:** 1.3 % by weight.
- **Vapor Pressure (mm Hg):** 390
- **Volatile:** 100
- **Appearance and Odor:** Clear, colorless liquid with a chloroform-like odor.
- **Flash Point:** 2.9
- **Flammable Limits:** LEL: N/A, UEL: N/A

**SECTION 4 – FIRE and EXPLOSION HAZARD DATA**

- **Extinguishing Media:** Carbon dioxide, dry chemical or foam.
- **Special Fire Fighting Procedures:** Pressure-demand, self-contained protection should be provided for protection. Storage containers exposed to fire should be kept cool with water.

**SECTION 5 – REACTIVITY DATA**

- **Unstable:** Volatile
- **Conditions to Avoid:** Avoid high pressure in aluminum systems. Open flames & electrical arcs.
- **Stable:**
- **Incompatibility (Materials to Avoid):** Avoid contact with oxygen, nitrogen, peroxide, oxidizers and reactive metals (i.e. aluminum, potassium, sodium, etc.).
- **Condition to Avoid:** Other protective clothing or equipment: Leather welding gloves while welding.
- **Hazardous Decomposition or Byproducts:** Combustion prior to evaporation of methylene chloride may yield carbon monoxide, carbon dioxide, hydrogen chloride and traces of phosgene.
- **Polymerization:** No polymerization will occur.

**SECTION 6 – HEALTH HAZARD DATA**

- **Routes of Entry:** Inhalation, Skin, Ingestion
- **Health Hazards (Acute and Chronic):** Inhalation: In confined or poorly ventilated areas, vapors can readily accumulate and can cause unconsciousness and death. Minimal anesthetic or narcotic effects may be seen in 500-1000 ppm range. Progressively higher levels over 1000 ppm can cause dizziness, drunkenness, consciousness as low as 10000 ppm can cause unconsciousness and death. These high levels may also cause cardiac arrhythmia. Excessive exposure may cause irritation to upper respiratory tract. Excessive exposure may cause carboxyhemoglobinemia.
- **Carcinogenicity:** NTP: Yes, IARC: Yes, OSHA Regulated: Yes

**SECTION 7 – PRECAUTIONS for SAFE HANDLING and USE**

- **Waste Disposal:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations.
- **Precautions to Be Taken in Handling and Storing:** Use and store this material in cool, dry, well ventilated areas away from heat and all sources of ignition. Keep containers closed. Keep away from incompatible materials. Do not use electrical equipment or lighting that may produce sparks.
- **Unusual Fire and Explosion Hazards:** At high temperatures, over-pressurization of containers can result.

**SECTION 8 – CONTROL MEASURES**

- **Respiratory Protection:** Respiratory protection not required, use with normal ventilation
- **Ventilation:** Local exhaust sufficient to maintain TLV.
- **Other:** N/A

**SARA Title III Notification Information:** All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

**OTHER INFORMATION REQUIRED BY STATE or FEDERAL LAW**

**California Proposition 65 Information:** Methylene Chloride (the main component of this product) is on the California Proposition 65 lists. WARNING! This product contains a chemical known to the state of California to cause cancer and birth defects (or other reproductive harm).

**New Jersey Right-To-Know Information:** 5 most predominant ingredients (hazardous and non-hazardous)
1. Methylene Chloride CAS #75-09-2; 2. Carbon Dioxide CAS #124-38-9; 3. Soya Lecithin CAS #6802-43-5

**Disclaimer of Express and Implied Warranties:** The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.